

F I G. 2

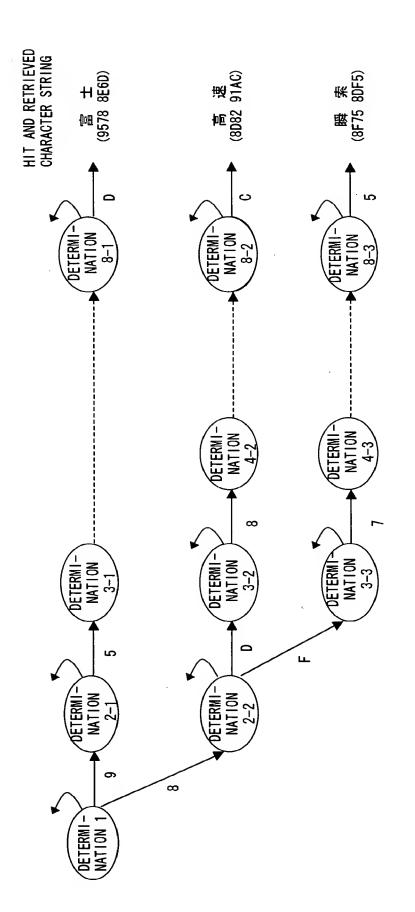


FIG. 3

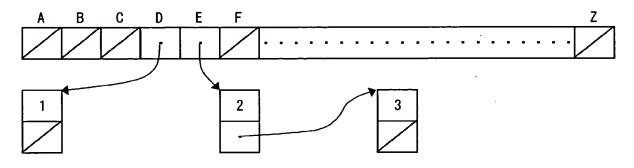
	LUCYT OFFICIALITICAL TIPLE APPROACH
DETERMINATION TARGET 4-BIT VALUE	NEXT DETERMINATION TABLE ADDRESS
0	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
1	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
2	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
3	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
4	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
5	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
6	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
7	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
8	DETERMINATION TABLE ADDRESS OF [DETERMINATION 2-2]
9	DETERMINATION TABLE ADDRESS OF [DETERMINATION 2-1]
10	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
11	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
12	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
13	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
14	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
15	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]

F I G. 4

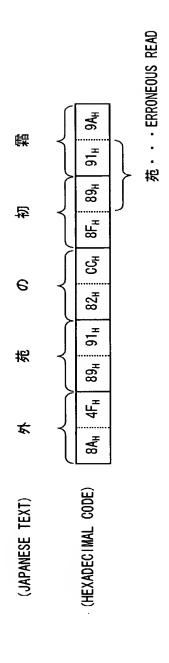
PATTE	RN =	{ABCD.	BCDE}			
Α	В	С	D	E	F	
3	2	1	0	4	4	4 4 4
						de l_abcd
A	В	С	D	E	F	Z
4	3	2	1	0	4	44 4
						de l_bcde
					_	
A	В	С	D	E	F	Z
3	2	1	L	L	4	4 4 4
						del_com (L(large)=textlen+4+1)

F I G. 5 A

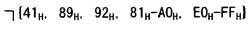
PATTERN = {ABCD, BCDE, CDFE}

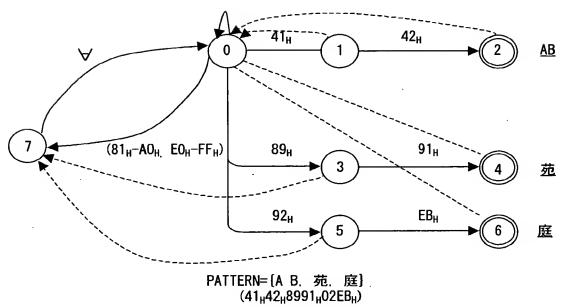


F I G. 5 B.

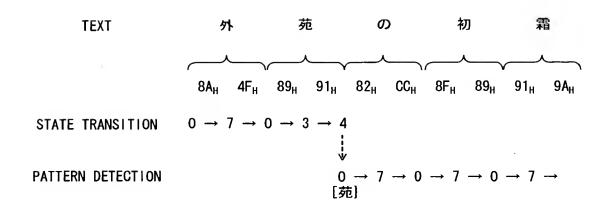


F I G. 6

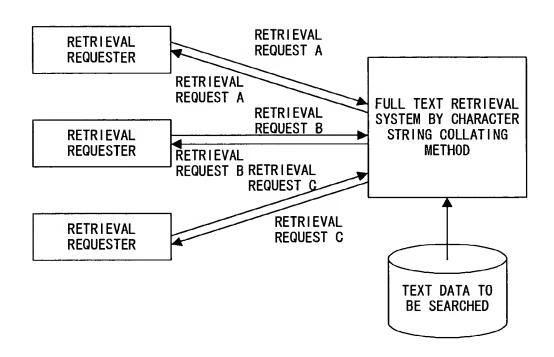




F I G. 7



F I G. 8



F I G. 9

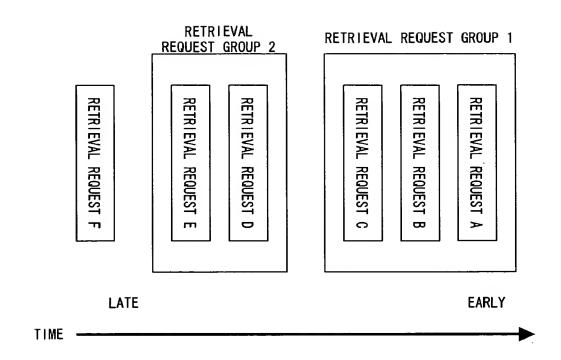
CONTENTS OF TEXT DATA TO BE SEARCHED

[K]<NAME>MASATAKA MATSUURA[K]<GRADUATE OF>WASEDA UNIVERSITY[K]<BIRTH PLACE>KANAGAWA PREF. [K]<SEX>MALE[K][R] [K]<NAME>YOKO TABATA[K]<GRADUATE OF>TSUKUBA UNIVERSITY[K]<BIRTH PLACE>ISHIKAWA PREF. [K]<SEX>MALE[K][R] [K]<NAME>SHIRO ABE[K]<GRADUATE OF>KYUSHU UNIVERSITY[K]<BIRTH PLACE>OITA PREF. [K]<SEX>MALE[K][R]

(NOTE) [R]:RECORD DELIMITER, [K]:ITEM DELIMITER, <CHARACTER STRING>:ITEM IDENTIFIER CODE(ITEM TAG)

RETRIEVAL REQUEST

	ITEM TAG	WORD TO BE RETRIEVED
A	<name></name>	MASATAKA MATSUURA
В	<pre><graduated from=""></graduated></pre>	WASEDA UNIVERSITY
RETRIEVAL CONDITION EXPRESSION		A and B



F I G. 12

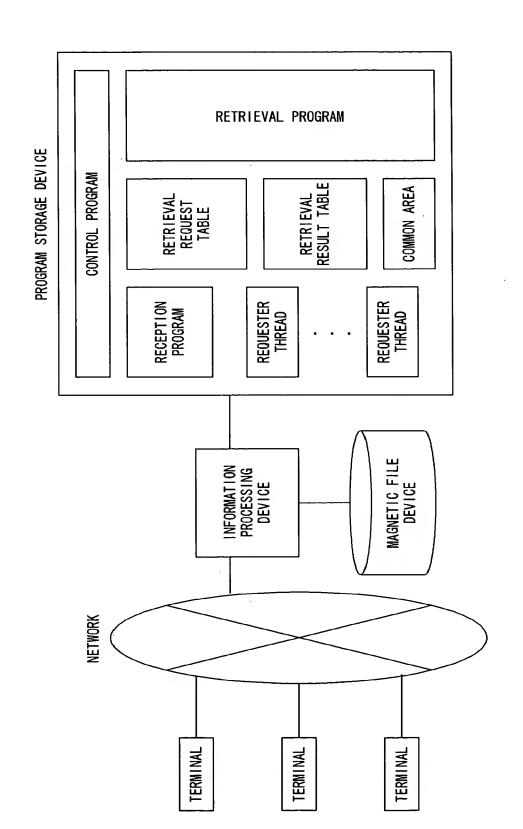
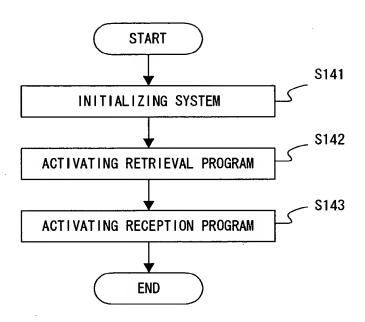
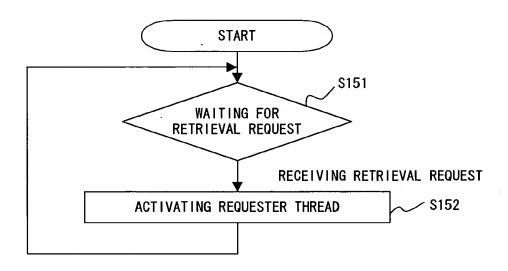


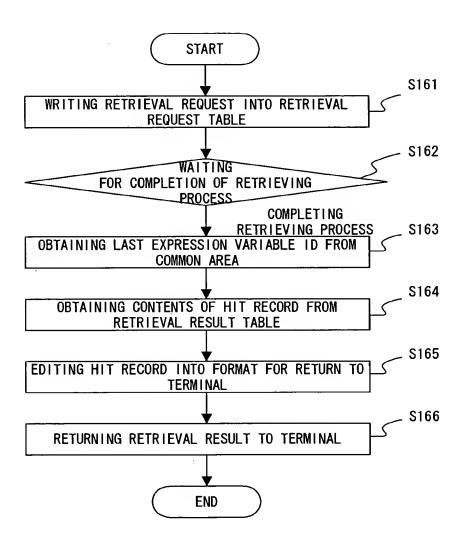
FIG. 13



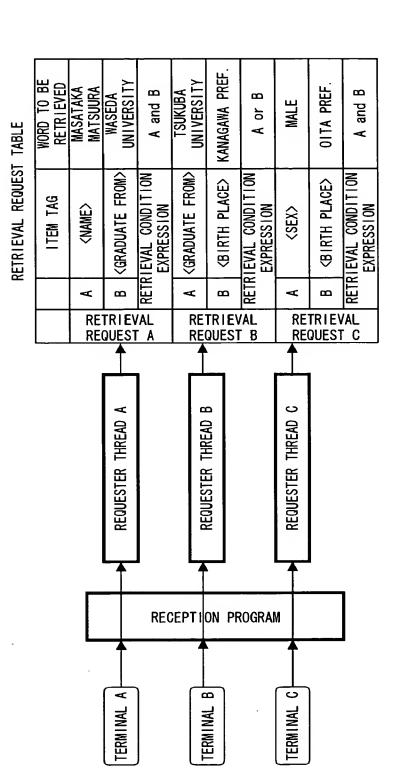
F I G. 14



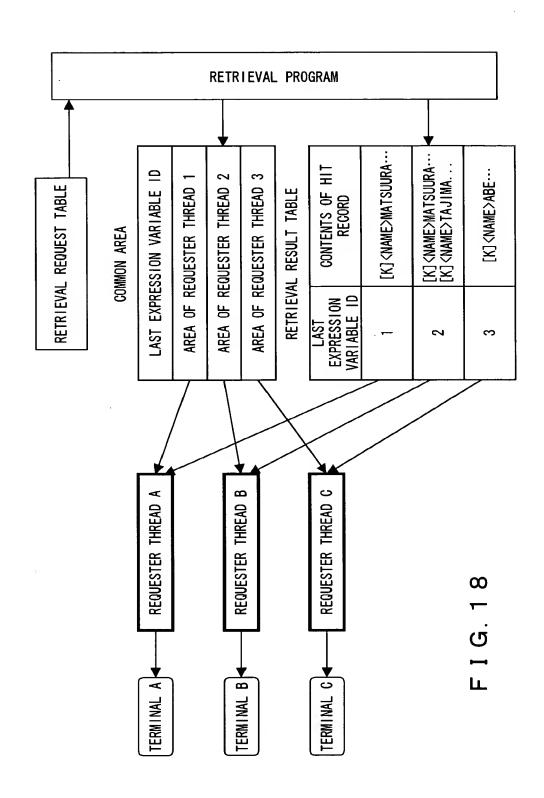
F I G. 15

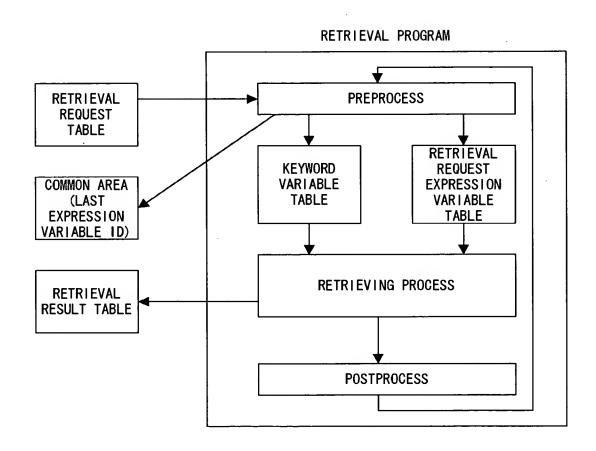


F I G, 16

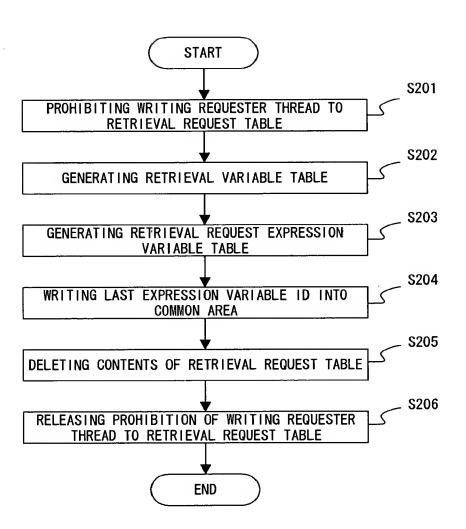


F I G. 17





F I G. 19



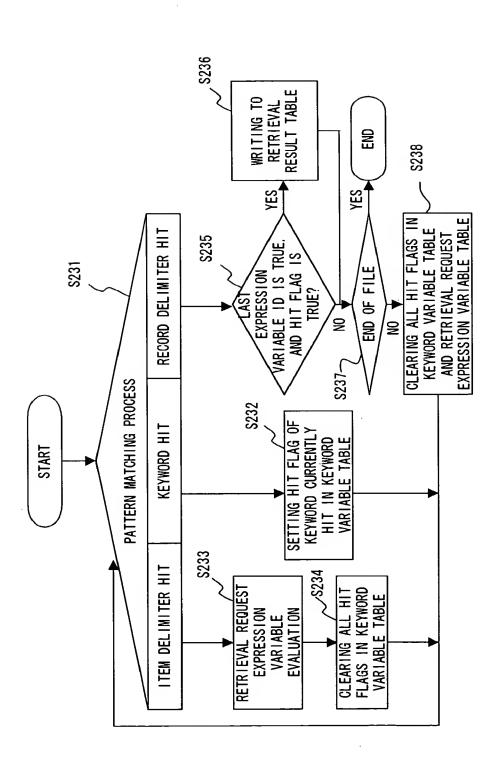
F I G. 20

KEYWORD VARIABLE TABLE

HIT FLAG 0 0 0 0 0 0 0 0 0 0 **(BIRTH PLACE)** <GRADUATE 0F> KANAGAWA PREF. TSUKUBA UNI VERS I TY UNIVERSITY MASATAKA MATSUURA OITA PREF. KEYWORD <NAME> WASEDA ⟨SEX⟩ MALE KEYWORD Variable A10 **A**6 **B**3 **A**4 **A**5 A7 **8**8 **A**9 A A2 KANAGAWA PREF. WORD TO BE RETRIEVED UNIVERSITY UNIVERSITY MATSUURA OITA PREF. MASATAKA A and B TSUKUBA A and B മ MALE A or RETRIEVAL REQUEST TABLE *<GRADUATE FROM>* RETRIEVAL CONDITION EXPRESSION *<GRADUATE FROM>* RETRIEVAL CONDITION EXPRESSION RETRIEVAL CONDITION EXPRESSION **(BIRTH PLACE)** (BIRTH PLACE) ITEM TAG <NAME> <SEX> 8 4 ⋖ ⋖ മ RETRIEVAL REQUEST A RETRIEVAL REQUEST B RETRIEVAL REQUEST C

F I G. 21

													_				
	HIT FIAG	-		>	0	0	-		5 6	-	0	0					
SION VARIABLE	LAST EXPRESSION	VARIABLE ID		0	/ 1	0		0 0	7	0	0	3				0	1
RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE	RETRIEVAL LOGIC EXPRESSION	A1 and A2	Al allu Az	A3 and A4	Z1 and Z2	A3 and A5/	A. 6 md A7	<u> </u>	C7 ID 47	A8 and A9	A6 and A10	Z7 ans Z8	\			0 0 U L	-
RETRIEVA	EXPRESSION VARIARIF	71	17	7.7	23	74	76	67	07	17	87	62				\	
																	\ <u>\</u>
TABLE	WORD TO BE RETRIEVED	MASATAKA MATSUURA	WASEDA UNIVERSITY	A and B	TSUKUBA	UNIVERSITY	KANAGAWA PREF.	A or B	MALE	OITA PREF.	2 T	a [AREA	VARIABLE ID	REQUESTER THREAD A 1	REQUESTER THREAD B 2	REQUESTER THREAD C 3
RETRIEVAL REQUEST TABLE	ITEM TAG	<name></name>	<graduate from=""></graduate>	RETRIEVAL CONDITION	CAPRESSION	VARADUATE FROM	(BIRTH PLACE)	RETRIEVAL CONDITION EXPRESSION	<sex></sex>	<birth place=""></birth>	RETRIEVAL CONDITION	EXPRESS I ON	COMMON AREA	LAST EXPRESSION VARIABLE	AREA OF REQUESTE	AREA OF REQUESTE	AREA OF REQUESTE
<u> </u>		٧	В	RETR	•		ω	RETR	٧	æ	RETR			<u> </u>	<u></u>		
			TRIE' OUES	VAL		RETF REQL				TRIE							



F I G. 23

KEYWORD VARIABLE TABLE

HIT FLAG	1	1	0	0	0	0	0	0	0	0
CHARACTER STRING TO BE RETRIEVED	<name></name>	MASATAKA MATSUURA	<graduate of=""></graduate>	WASEDA UNI VERSI TY	TSUKUBA UNIVERSITY	<birth place=""></birth>	KANAGAWA PREF.	<sex></sex>	MALE	OITA PREF.
KEYWORD VAR I ABLE	A1	A2	A3	A4	A5	9 V	L V	48	6V	A10

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

HIT FLAG	1	1	0	0	0	0	0	0	0
LAST EXPRESSION VARIABLE ID	0	0	1	0	0	2	0	0	3
EXPRESSION LAST EXPRESSION VARIABLE ID	A1 and A2	A3 and A4	Z1 and Z2	A3 and A5	A6 and A7	24 or 25	A8 and A9	A6 and A10	Z7 and Z8
EXPRESSION VARIABLE	21	22	23	24	52	92	72	82	62

F I G. 24B

F I G. 24A

KEYWORD VARIABLE TABLE

HIT FLAG	0	0	0	0	0	0	0	ı	ı	0
CHARACTER STRING TO BE RETRIEVED	<name></name>	MASATAKA MATSUURA	<graduate 0f=""></graduate>	WASEDA UNIVERSITY	TSUKUBA UNIVERSITY	<birth place=""></birth>	KANAGAWA PREF.	<x3s></x3s>	MALE	OITA PREF.
KEYWORD VARIABLE	A1	A2	A3	A4	9Y	98	A7	8 V	6 V	A10

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

HIT FLAG	1	1	1	0	1	1	1	0	0
LAST EXPRESSION VARIABLE ID	0	0	1	0	0	2	0	0	3
EXPRESSION RETRIEVAL LOGIC VARIABLE EXPRESSION	A1 and A2	A3 and A4	Z1 and Z2	A3 and A5	A6 and A7	24 or 25	A8 and A9	A6 and A10	Z7 and Z8
EXPRESSION VARIABLE	12	72	£Z	24	52	97	12	8Z	6Z

FIG. 25B

F I G. 25A

RETRIEVAL RESULT TABLE

LAST EXPRESSION VARIABLE ID	CONTENTS OF HIT RECORD
1	[K] <name>MATSUURA···</name>
2	[K] <name>MATSUURA···</name>
3	

CONTENTS OF TEXT DATA TO BE SEARCHED ACCORINDG TO SECOND EMBODIMENT

...MASATAKA MATSUURA...WASEDA UNIVERSITY...KANAGAWA PREF......MALE[K][R]
...YOKO TAJIMA...TSUKUBA UNIVERSITY...ISHIKAWA PREF......FEMALE[K][R]
SHIRO ABE.....KYUSYU UNIVERSITY...OITA PREF......MALE[K][R]

(NOTE) [R]:RECORD DELIMITER, [K]:ITEM DELIMITER

	HIT FIAG	ייי	0	,	_	>	-	>	0	>	U	>	0	•			
KEYWORD VARIABLE TABLE	CHARACTER STRING TO BE	RETRIEVED	MASATAKA	MATSUURA	WASEDA	UNIVERSITY	TSUKUBA	UNIVERSITY	KANAGAWA PRFF	י ושנו עווטאטוועו	MAI F	MALL	OITA PREF				F I G. 28
KEYWORD \	KEYWORD	י אויי אייי	Α1	5	V	77	N 2	CV.	44	1	¥	2	Δ6	2			LL.
				` 		1	•	•	À			_	\	<u> </u>	\	\	
r table	WORD TO BE RETRIEVED	MASATAKA	MATSUURA	WASEDA	UNIVERSITY	A bac A	A AIIU D	TSUKUBA	UNIVERSITY	KANIACAWA DDEE	ואואמאווא רובר.	A or B	5	MALE		OITA PREF.	A and B
RETRIEVAL REQUEST TABLE	ITEM TAG					RETRIEVAL CONDITION	EXPRESS I ON					RETRIEVAL CONDITION	EXPRESS I ON				RETRIEVAL CONDITION EXPRESSION
		٧	c	α	•	RETR		٧	<	۵	۵	RETR		∢		8	RETR
		l	RE1	R I	EV ST	AL A			RE1	RI	EV ST	AL B		R R	ET EQ	RIEV UEST	AL C

HIT FLAG RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE 0 0 0 VARIABLE ID **EXPRESSION** LAST 2 က တ EXPRESSION RETRIEVAL LOGIC VARIABLE EXPRESSION F I G. 2 A1 and A2 A5 and A6 or A4 A3 22 23 17 KANAGAWA PREF. MASATAKA MATSUURA WASEDA UNIVERSITY TSUKUBA UNIVERSITY WORD TO BE **RETRIEVED** OITA PREF. A and B A or B A and B MALE RETRIEVAL CONDITION RETRIEVAL CONDITION RETRIEVAL CONDITION ITEM TAG **EXPRESSION EXPRESSION EXPRESSION** 8 മ ⋖ ⋖ ⋖ RETRIEVAL REQUEST B RETRIEVAL REQUEST C RETRIEVAL REQUEST A

RETRIEVAL REQUEST TABLE

KEYWORD VARIABLE TABLE

HIT FLAG

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

HIT FLAG	1	1	0	1	1	0
CHARACTER STRING TO BE RETRIEVED	MASATAKA MATSUURA	WASEDA UNIVERSITY	TSUKUBA UNIVERSITY	KANAGAWA PREF.	MALE	OITA PREF.
KEYWORD VARIABLE	1A	A2	A3	V 4	9¥	9 V

22

17

23

LAST EXPRESSION VARIABLE ID 2 က EXPRESSION RETRIEVAL LOGIC
VARIABLE EXPRESSION A1 and A2 A5 and A6 A3 or A4

0

F I G. 30B

F I G. 30A

RETRIEVAL RESULT TABLE

LAST EXPRESSION VARIABLE ID	CONTENTS OF HIT RECORD
1	MASATAKA MATSUURA
2	MASATAKA MATSUURA
3	

